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CLIENT REF. NO. PA33838US-HVhfm

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

U.S. APPLICATION NO. 10/510,628 CONCERNING A FILING UNDER 35 USC 371 AND 37 CFR 1.491 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED PCT/EP03/03799 April 11, 2003 April 11, 2002 TITLE OF INVENTION USE OF BIOLOGICAL PHOTORECEPTORS AS DIRECTLY LIGHT-ACTIVATED ION CHANNELS APPLICANT(S) FOR DO/EO/US Hegemann et al. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a filing under 35 USC 371 and 37 CFR 1.491. This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 USC 371 and 37 CFR 1.491. This is an express request to begin national examination procedures (35 USC 371(f)). The US has been elected by the expiration of 19 months from the priority date (PCT Article 31). A copy of the International Application as filed (35 USC 371(c)(2)) is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. c. is not required, as the application was filed in the United States Receiving Office (RO/US). An English language translation of the International Application as filed (35 USC 371(c)(2)). Amendments to the claims of the International Application under PCT Article 19 (35 USC 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). b. have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. c. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 USC 371(c)(3)). An oath or declaration of the inventor(s) (35 USC 371(c)(4)). 10. An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 USC 371(c)(5)). 11. Nucleotide and/or Amino Acid Sequence Submission Computer Readable Form (CRF) Specification Sequence Listing on: CD-ROM or CD-R (2 copies); or i. ☐ Paper Copy Statement verifying identity of above copies Items 12 to 19 below concern other document(s) or information included: 12. An Information Disclosure Statement under 37 CFR 1.97 and 1.98. Form PTO-1449 Copies of References (except for U.S. patents and applications) 13. An assignment for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. A FIRST preliminary amendment. A SECOND or SUBSEQUENT preliminary amendment. 15. A substitute specification. 16. A change of power of attorney and/or address letter. 17. Application Data Sheet Under 37 CFR 1.76 Return Receipt Postcard 19. Other items or information:

U.S. APPLICATION NO. 10/510,628	INTERNATION PCT/EP03/	APPLICA	TION NO.	ATTORN 231181	EY DOCKET	NO	CLIENT REF.		
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but all claims did not satisfy provisions of PCT Article 33(1)-(4)\$750.00									
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and all claims satisfied provisions of PCT Article 33(1) to (4)									
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TOTAL NATIONAL FEE=							\$0.00		
Fee for recording the enclosed assignment. The assignment must be accompanied by an									
appropriate cover sheet. \$40.00 per property +						\$0.00			
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b. Please charge Deposit Account No. 12-1216 the total fee indicated above.									
c.	. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to								
Deposit Account No. 12-1216. A duplicate copy of this sheet is enclosed.									
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR									
1.137(a) or (b)) must be filed and granted to restore the application to pending status.									
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CERTIFICATE OF MAILING									
I hereby certify that all of the items listed as enclosures is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.									
Melissa Printed Name of Person S	Kolom igning:	Mul. 150	m						
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